



U.S. Department  
of Transportation  
**Pipeline and  
Hazardous Materials  
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0737/S-96, REVISION 0**

400 Seventh Street, S.W.  
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X2167 (Manufactured on or after November 22, 1995).
2. Source Description - Cylindrical double encapsulation made of MP35N and tungsten inert gas or laser seal welded. Approximate outer dimensions are 14.5 mm (0.57 in.) in diameter and 31.8 mm (1.25 in.) in length. Minimum wall thickness of the outer encapsulation is 0.7 mm (0.03 in.). Construction shall be in accordance with attached QSA Global, Inc. Drawing No. RBA62950, Rev. A.
3. Radioactive Contents - No more than 185.0 GBq (5.0 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with a beryllium powder and pressed into a solid pellet.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on July 31, 2011.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

**CERTIFICATE USA/0737/S-96, REVISION 0**


This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the April 24, 2006 petition by QSA Global, Inc., Burlington, MA and in consideration of other information on file in this Office.

Certified By:



**Jul 06 2006**

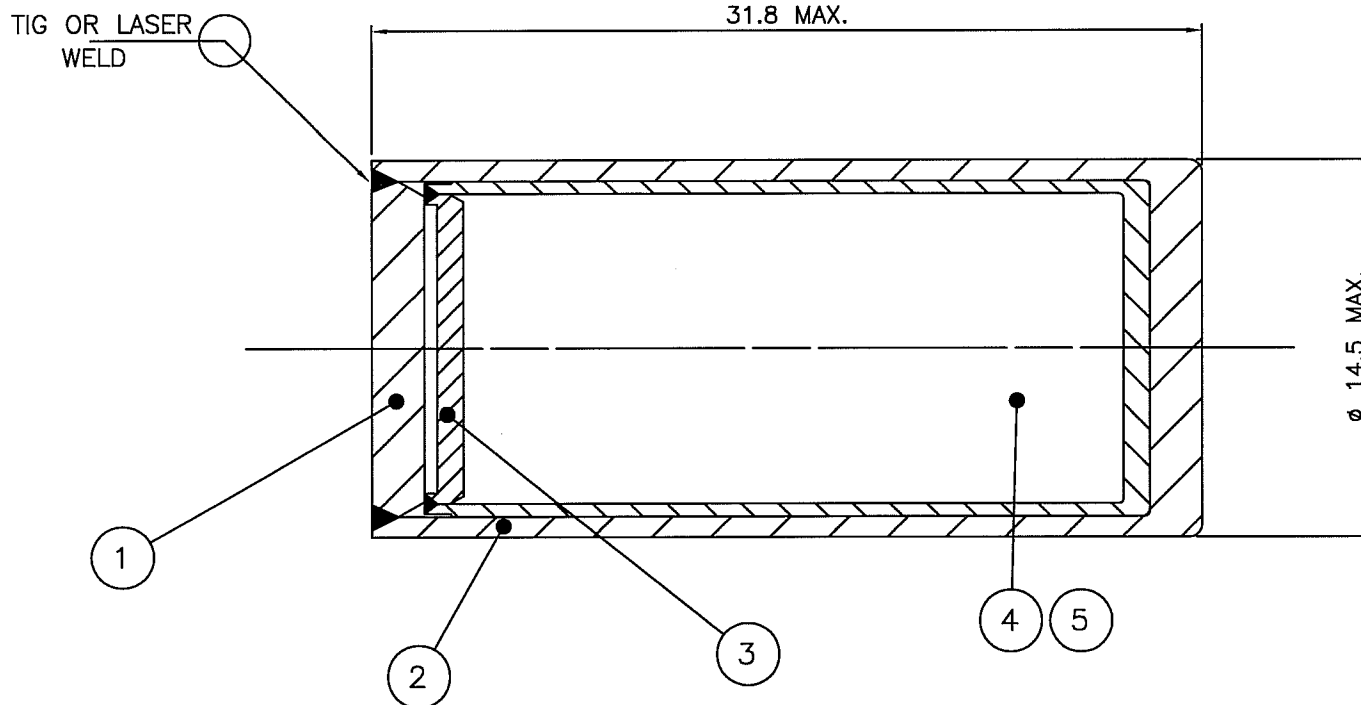
(DATE)


 Robert A. McGuire

Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

ITEM	DESCRIPTION	MATERIAL	QTY.
1	OUTER LID	MP35N	1
2	OUTER BODY	MP35N	1
3	INNER CELL ASSEMBLY		1
4	ACTIVE MATERIAL		AR
5	CERAMIC FIBER PACKING (OPTIONAL)		AR



<b>APPROVALS</b> <i>D. Price</i> <i>A. Pacheco</i>		<b>DATE</b> 17 Apr '06 18 Apr '06		 <b>QSA GLOBAL</b>		<b>DESCRIPTIVE DRAWING</b>	
40 NORTH AVE, BURLINGTON, MA 01803				<b>TITLE</b> ASSEMBLY OF X2167 CAPSULE			
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN MILLIMETERS TOLERANCES: X.X ± 0.12 X.XX ± 0.06				<b>SIZE</b> A		<b>DWG. NO.</b> RBA62950	
				<b>SCALE:</b> NTS		<b>SHEET</b> 1 OF 1	
<b>ERF #</b> 1330				<b>REV</b> A			